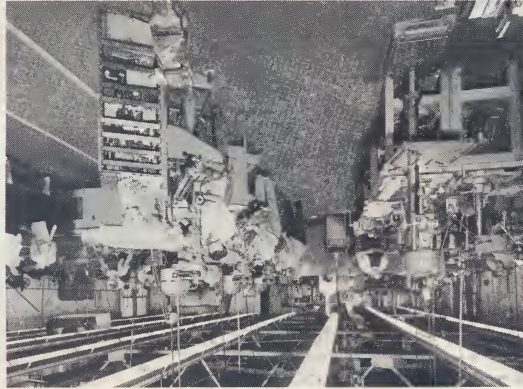


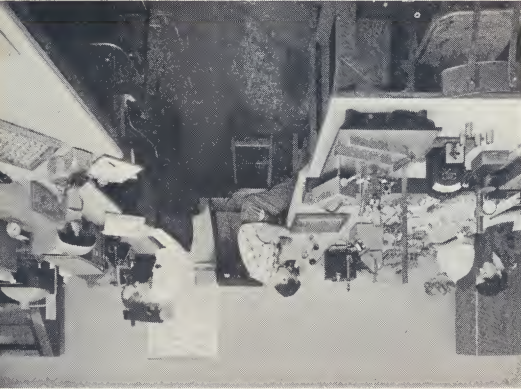
Qualified and experienced engineers, plus facilities for complete research and development of the product.



Model-shop facilities for prompt prototype delivery; production machine shop equipment for quantity production.



Government approved quality control facilities for uniform and precise material control throughout production run.



MODERN FACILITIES

CLASSY SOLENOIDS

KOONTZ-WAGNER ELECTRIC CO., INC.
516 North Michigan Street
South Bend, Indiana, 46601



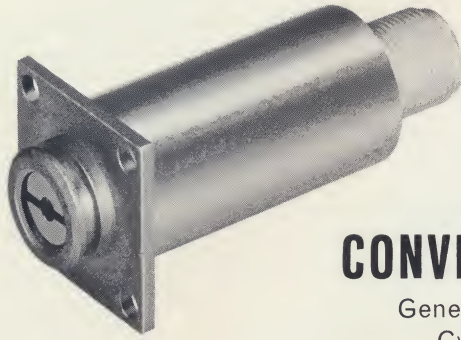
IMPORTANT NEW SOLENOID DEVELOPMENT...

**PLUS NEW, EASY-TO-USE
SOLENOID SELECTOR CHART**

Mr. T. Nelson, Sys. Engr.
Interlocking Systems Company
Box 1546
Poughkeepsie, N. Y. 12603

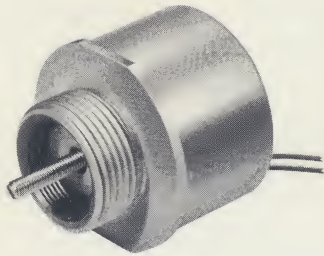
8	
1	Push
95	1.475
75	1.795
95	2.115
15	2.135
75	2.630
50	2.945
85	3.185
25	1.250

SOLENOIDS



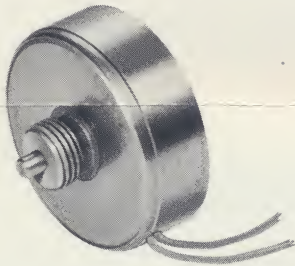
CONVENTIONAL

General Purpose
Cylindrical



COMPACT

General Purpose • Short



WAFER[®]

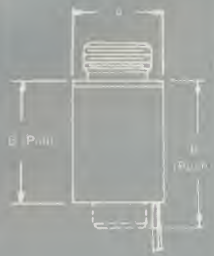
Short Stroke • Flat

BASIC SOLENOID — Direct Current

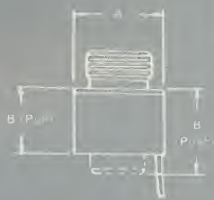
On Inquiries or Orders Specify

(1) Series No. (2) Force and Stroke (3) Volts (4) Ambient (5) Pressure

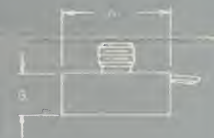
Series	Force (lbs.) — Stroke (in.) — 75°F				A	B	
	.015"	.050"	.150"	.250"		Pull	Push
8002	6.0 #	2.5 #	0.5 #	0.2 #	.750	1.195	1.475
8005	11.0	4.0	2.0	1.0	1.000	1.375	1.795
8010	17.0	8.0	2.5	1.5	1.125	1.695	2.115
8015	32.0	15.0	5.0	3.0	1.312	1.715	2.135
8020	43.0	21.5	7.5	4.0	1.500	2.075	2.630
8025	75.0	40.0	12.5	6.5	1.750	2.260	2.945
8030	95.0	60.0	18.0	11.5	2.000	2.535	3.185



8040	8.5 #	2.5 #	0.5 #	0.2 #	1.000	.825	1.250
8045	32.5	12.5	2.5	1.5	1.500	1.075	1.630
8050	75.0	34.0	10.5	5.5	2.000	1.350	2.000



	.010"	.015"	.020"	.030"			
8060	5.5 #	3.0 #	2.0 #	0.5 #	1.190	.500	.500
8070	12.0	7.0	4.5	1.5	1.690	.580	.580
8080	40.0	25.0	12.5	6.5	2.250	.750	.750



THIS SPACE
RESERVED FOR
IMPORTANT
NEW ADDITIONS
TO BE
ANNOUNCED
IN FUTURE
MAILINGS

MODULAR

Sealed and
Laminated Solenoid

SOLID STATE

Power and Switching
Drivers

A basic unit for

For application with the
Modular and the complete line







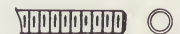
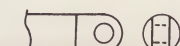
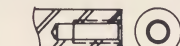
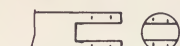
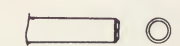
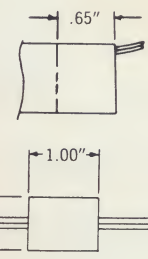
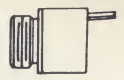





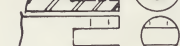
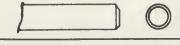
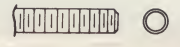
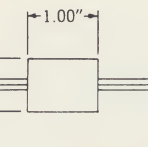


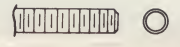
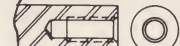
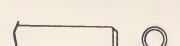
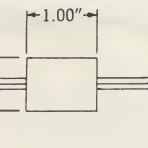
A complete line designed to offer, in basically standard sizes.
The first complete line to offer solid and laminated solenoids.

MANUFACTURING DIVISION OF

KOONTZ WAGNER
ELECTRIC COMPANY INCORPORATED

516 N. MICHIGAN ST.
SOUTH BEND, INDIANA

STANDARD BASIC UNITS • PRECISION SEALED DESIGN

MOUNTING	LEAD TERMINATION	ARMATURE TERMINATION	ALTERNATING CURRENT Rectifier Package
(6) Mounting	(7) Leads	(8) Armature	(9) Package, If A.C.
<p>Thread </p> <p>Flange </p> <p>Bracket </p>	<p>Leads </p> <p>Add 1.55" Max. to "B" Pull Dim.</p> <p>Connector </p> <p>Add 1.30" Max. to "B" Pull Dim.</p> <p>Terminals </p>	<p>A </p> <p>B </p> <p>C </p> <p>D </p> <p>E </p>	<p></p> <p>Rectifiers in can</p> <p>Rectifiers in lead assembly</p>
<p>Thread </p> <p>Flange </p>	<p>Leads </p> <p>Add 1.40" Max. to "B" Pull Dim.</p> <p>Connector </p>	<p>A </p> <p>B </p> <p>C </p> <p>D </p> <p>E </p>	<p></p> <p>Available in lead assembly only</p>
<p>Thread </p> <p>Flange </p>	<p>Leads Only</p>	<p>A </p> <p>C </p> <p>E </p>	<p></p> <p>Available in lead assembly only</p>

- Very fast response D.C.
- Long life. Rapid cycling
- Low loss 60 and 400 cycle A.C.
- Sealed coil for pressure
- Speed up response
- Limit current
- Switch from start to hold coil
- Provide time delay

Standardized units, the features most requested in Industrial Automation... Aerospace... Computers. Sealed construction, with SOLID STATE control as required.



"We have been analyzing solenoid orders and requests for the past five years. Some modular design approach is necessary to be able to provide a product, promptly and economically, with the many features requested.

Our line has thirteen standardized basic bobbins in three general shapes. We stock these and the necessary parts to finish to any of the configurations shown inside this brochure. None of our aerospace or precision industrial quality features has been sacrificed.

Specials are still the bulk of our business. In this, and future brochures you will be receiving, we will show our standard precision line, one of our specials, and some of our key people.

Very soon, we will add the modular laminated and sealed solenoid with transistorized packages to the line. These packages can be applied to any of our solenoids to boost or control performance.

Stay with us, if you use solenoids—you won't be sorry."

Brent Kumm, Vice-President
Sales and Engineering

One of many special products is a commercial solenoid with the high force, short stroke characteristics of the WAFER®. The design features simplicity, economy and performance. The particular characteristics of this unit are:

Size: 2¼" square.
Voltage: 24 Volts D.C.
Current: .75 Ampere.
Force: 12.5 pounds at .020" stroke at 75°F.
Holding Force: Over 75 pounds.
Duty: Continuous.
PRICE: UNDER \$7.50 each (100 lots).

